

Ordering Real Numbers

- 1) For each of the following list which two integers it would lie between on the real number line. Explain your reasoning (how do you know?).

A. $\sqrt{45}$

B. $\sqrt{12}$

C. $\sqrt{5}$

D. $\sqrt{90}$

E. $-\sqrt{3}$

Draw a number line and use a calculator to help you graph the numbers above. Be sure to label your points.

Do your above answers still make sense? Why or why not?

2) Which two integers do each of the following rational numbers lie between on the real number line?

A. $\frac{3}{2}$

B. $\frac{9}{7}$

C. $\frac{5}{7}$

D. $-\frac{10}{9}$

E. $-\frac{25}{3}$

Draw a number line and use a calculator to help you plot the numbers above. Be sure to label your points.

Do your answers still make sense? Why or why not?